Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**Mitosis vs. Meiosis Comparison Chart**

Ms. Ottolini, AP Biology

***Directions****: Use the chart below to identify the differences between mitosis and meiosis. Draw a picture for each difference that will help you remember it! You may use the same picture for multiple differences by writing “see picture for # \_\_\_\_\_\_)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Difference** | **Mitosis Description** | **Mitosis Picture** | **Meiosis Description** | **Meiosis Picture** |
| 1. How many times does the original parent cell divide? (In other words, how many “rounds” of cell division take place?) |  |  |  |  |
| 2. How many daughter cells are created? |  |  |  |  |
| 3. Are the daughter cells diploid (2n) or haploid (n)? |  |  |  |  |
| 4. Are the daughter cells body cells (aka somatic cells) or sex cells (aka gametes)? |  |  |  |  |
| 5. Are the daughter cells identical to each other and the parent cell or different? |  |  |  |  |
| 6. Is this process used for growth, tissue repair, and asexual reproduction OR sexual reproduction? |  |  |  |  |